BRUHATH BENGALURU MAHANAGARA PALIKE
DASARAHALLI DIVISION

First and Part Bill

NAME OF WORK :Improvements to Roads Drains and other Maintenance Behind KSCMF Building and surrounding area in ward no 14 Bagalagunte

E Measurement Book

JOB CODE NO : 014-21-000012

Estmate cost : Rs 100.00 Lakhs

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Name of work :- Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte							
	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	Earth work excavation by manual means for roads , drains & similar works in ordinary soil involving ,excavated surface levelled &neatly dressed , the disposed earth to be levelled after breaking of clods complete as per specifications.						
	Manjunatha nagara						
	For Drain						
	7 th Cross				0.90		
	LHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	15.00	1.20	1.00	18.00	
	RHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	14.60	1.20	1.00	17.52	
	6 th Cross				1.00		
	LHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	16.50	1.20	1.00	19.80	
	RHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	16.20	1.20	1.00	19.44	
	5 th Cross						
	LHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	21.70	1.20	1.00	26.04	
	RHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	19.00	1.20	1.00	22.80	
	4 th Cross						
	LHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	15.50	1.20	1.00	18.60	
	RHS	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	22.20	1.20	1.00	26.64	
	Cross Road						
	LHS	1	22.70	1.20	1.00	27.24	
	RHS	1	19.50	1.20	1.00	23.40	
	Main Road	1	23.00	1.20	1.00	27.60	
	For Desilting of drain						
	Manjunatha nagara						
	1 st Cross LHS	1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	22.50	0.60	0.45	6.08	

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	RHS	1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	22.50	0.60	0.45	6.08	
2nd Cross	LHS	1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	22.50	0.60	0.45	6.08	
	RHS	1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	22.50	0.60	0.45	6.08	
5th Main	LHS	1	25.00	0.60	0.45	6.75	
		1	26.00	0.60	0.45	7.02	
		1	25.00	0.60	0.45	6.75	
		1	26.00	0.60	0.45	7.02	
		1	26.50	0.60	0.45	7.16	
		1	15.00	0.60	0.45	4.05	
1st Cross	LHS	1	30.00	0.60	0.45	8.10	
		1	7.50	0.60	0.45	2.03	
	RHS	1	30.00	0.60	0.45	8.10	
		1	7.50	0.60	0.45	2.03	
2nd Cross	LHS	1	30.00	0.60	0.45	8.10	
		1	7.50	0.60	0.45	2.03	
	RHS	1	30.00	0.60	0.45	8.10	
		1	7.50	0.60	0.45	2.03	
3rd Main	LHS	1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	30.00	0.60	0.45	8.10	
		1	17.50	0.60	0.45	4.73	
				Present Quantity		1028.55	Cum
				Payable Qtty		1028.55	Cum

Assistant Engineer
Ward NO-14
BBMP Bangalore

03/01/22
05/01/22
24/01/22

Assistant Executive Engineer
Dasara halli sub division
BBMP Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

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Name of work :- Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying in position plain cement concrete of mix 1;3;6 with opc cement @ 180kgs with 40 mm and down size grded granite metal course aggregates at 0.85 cum and fine aggregates at0.57 cum machine mixed concrete laid in layers not exceeding 15 cms thick well compected in foundation including cost of all materials ,labour ,HOM of machineries etc complete as per specifications,						
	Manjunatha nagara						
	7 th Cross LHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	15.00	1.20	0.15	2.70	
	RHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	14.60	1.20	0.15	2.63	
	6 th Cross						
	LHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	16.50	1.20	0.15	2.97	
	RHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	16.20	1.20	0.15	2.92	
	5 th Cross						
	LHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	21.70	1.20	0.15	3.91	
	RHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	19.00	1.20	0.15	3.42	
	4 th Cross						
	LHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	15.50	1.20	0.15	2.79	
	RHS	1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	22.20	1.20	0.15	4.00	
	Cross Road						
	LHS	1	22.70	1.20	0.15	4.09	
	RHS	1	19.50	1.20	0.15	3.51	
	5 thMain Road	1	23.00	1.20	0.15	4.14	
						123.46	Cum

06/01/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

06/01/22
10/01/22

Assistant Executive Engineer
Dasara hall Sub division
BBMP Bangalore

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ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು-560073

Scanned with CamScanner

Name of work :- Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4.2.7: Providing and laying in position plain / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, machine mixed concrete well compacted for wall and bottom including centering and shuttering cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.						
	For Raft						
	7 th Cross Manjunatha nagara						
	LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	15.00	0.90	0.15	2.03	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	14.60	0.90	0.15	1.97	
	6 th Cross						
	LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	16.50	0.90	0.15	2.23	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	16.20	0.90	0.15	2.19	
	5 th Cross						
	LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	21.70	0.90	0.15	2.93	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	19.00	0.90	0.15	2.57	
	4 th Cross						
	LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	15.50	0.90	0.15	2.09	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	22.20	0.90	0.15	3.00	
	Cross Road						
	LHS	1	22.70	0.90	0.15	3.06	
	RHS	1	19.50	0.90	0.15	2.63	
	5 th Main LHS	1	23.00	0.90	0.15	3.11	
	For Side wall						
	7 th Cross						

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	LHS	2	30.00	0.15	0.38	3.42
		2	30.00	0.15	0.58	5.22
	RHS	2	15.00	0.15	0.60	2.70
		2	30.00	0.15	0.60	5.40
	6 th Cross	2	30.00	0.15	0.56	5.04
		2	14.60	0.15	0.41	1.80
	LHS	2	30.00	0.15	0.38	3.42
		2	30.00	0.15	0.45	4.05
		2	16.50	0.15	0.52	2.57
	RHS	2	30.00	0.15	0.60	5.40
		2	30.00	0.15	0.62	5.58
	5 th Cross	2	16.20	0.15	0.53	2.58
	LHS	2	30.00	0.15	0.49	4.41
		2	30.00	0.15	0.47	4.23
		2	21.70	0.15	0.48	3.12
	RHS	2	30.00	0.15	0.58	5.22
		2	30.00	0.15	0.50	4.50
	4 th Cross	2	19.00	0.15	0.38	2.17
	LHS	2	30.00	0.15	0.45	4.05
		2	30.00	0.15	0.53	4.77
		2	15.50	0.15	0.54	2.51
	RHS	2	30.00	0.15	0.55	4.95
		2	30.00	0.15	0.54	4.86
	Cross Road	2	22.20	0.15	0.46	3.06
	LHS	2	22.70	0.15	0.54	3.68
	RHS	2	19.50	0.15	0.60	3.51
	5 thMain Road	2	23.00	0.15	0.60	4.14
						198.95 Cum

Assistant Engineer
Ward NO-14
BBMP Bangalore

20/01/22
24/01/22
27/01/22

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

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BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Improvements to Roads Drains and Other Maintenance Behind "KSCMF" Building and Surrounding area in ward no 14 Bagalagunte

Pre-Measurement Sheet

First and Part

Item No:	5
Item Name:	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. workincluding straightening, cutting, bending, hooking, placing in position,lapping and/or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.MORTH Specification No.1600 & 220 Item No 28.8.2

Pre measurement of Steel

Sl No	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
7 th cross RHS										
1	10	1	150mm C/c	8	82.2	657.6	Distribution	0.63	414	
2	10	1	150mm C/c	548	2.1	1150.8	Main Bar	0.63	725	
7 th cross LHS										
1	10	1	150mm C/c	4	75.5	302.0	Distribution	0.63	190	
2	10	1	150mm C/c	503	2.1	1057.0	Main Bar	0.63	666	
6 th cross RHS										
1	10	1	150mm C/c	8	79	632.0	Distribution	0.63	398	
2	10	1	150mm C/c	527	2.1	1106.0	Main Bar	0.63	697	
6 th cross LHS										
1	10	1	150mm C/c	8	81.7	653.6	Distribution	0.63	412	
2	10	1	150mm C/c	545	2.1	1143.8	Main Bar	0.63	721	
5 th cross RHS										
1	10	1	150mm C/c	8	76.2	609.6	Distribution	0.63	384	
2	10	1	150mm C/c	508	2.2	1117.6	Main Bar	0.63	704	
5 th cross LHS										
1	10	1	150mm C/c	8	76.5	612.0	Distribution	0.63	386	
2	10	1	150mm C/c	1783	2.1	3744.3	Main Bar	0.63	2359	
4 th cross RHS										
1	10	1	150mm C/c	8	74.6	596.8	Distribution	0.63	376	
2	10	1	150mm C/c	1678	2.1	3523.8	Main Bar	0.63	2220	
4 th cross LHS										
1	10	1	150mm C/c	8	75	600.0	Distribution	0.63	378	
2	10	1	150mm C/c	500	2.1	1050.0	Main Bar	0.63	662	

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		Cross Road RHS							
10	1	150mm C/c	8	19.5	156.0	Distribution	0.63	98	
10	1	150mm C/c	130	2.1	273.0	Main Bar	0.63	172	
		Cross Road LHS							
10	1	150mm C/c	8	22.7	181.6	Distribution	0.63	114	
10	1	150mm C/c	152	2.1	319.2	Main Bar	0.63	201	
		5 th Main Road LHS							
10	1	150mm C/c	8	23	184.0	Distribution	0.63	116	
10	1	150mm C/c	154	2.1	323.4	Main Bar	0.63	204	
							Total Quantity of Steel in Kg's	12596.3	kgs
							Total Quantity of Steel in Tonne's	12.50	Tonnes

06/01/22
10/01/22
12/01/22

Asst.Executive Engineer
Dasarahalli Sub Division
BBMP-Bengaluru

Name of work :- **Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte**

Date of measurement recorded on:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Providing and fixing precast covering Slab made out of CC 1:2:4 10 cm thick and finishing including form work ,curing ,including cost of materials ,labour ,hire charges of machinary ,loading un loading , lead and lift charges transportation charges etc complete as per specifications						
For New cc drain						
1st B cross Manjunatha nagara						
LHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	15.00	0.90		13.50	
RHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	14.60	0.90		13.14	
1st A cross						
LHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	16.50	0.90		14.85	
RHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	16.20	0.90		14.58	
2 nd A cross						
LHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	21.70	0.90		19.53	
RHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	19.00	0.90		17.10	
3 rd A cross						
LHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	15.50	0.90		13.95	
RHS	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	22.20	0.90		19.98	
Cross Road						
LHS	1	22.70	0.90		20.43	
RHS	1	19.50	0.90		17.55	
5 th M ain	1	23.00	0.90		20.70	
				Total	617.31	Sqm

14/02/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

14/02/22

Asst. Executive Engineer
Dasara halli Sub division
BBMP Bangalore

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿಕೆವಿಕೆ
ಬೆಂಗಳೂರು-560073

N. V.

ಬ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

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Name of work :- Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte

Pre measurement recorded on:

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	Removing and Resetting of foot path slab							
	Manjunatha nagara							
	1 st Cross from 5th Main	LHS	1	27.00	0.90		24.30	
			1	28.00	0.90		25.20	
			1	22.50	0.90		20.25	
		RHS	1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	22.50	0.90		20.25	
	2 nd Cross from 5th Main	LHS	1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	22.50	0.90		20.25	
		RHS	1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	22.50	0.90		20.25	
	5th Main	LHS	1	25.00	0.90		22.50	
			1	26.00	0.90		23.40	
			1	25.00	0.90		22.50	
			1	26.00	0.90		23.40	
			1	26.50	0.90		23.85	
			1	7.00	0.90		6.30	
	1 st Cross from 3rd Main	LHS	1	30.00	0.90		27.00	
			1	7.50	0.90		6.75	
		RHS	1	30.00	0.90		27.00	
			1	7.50	0.90		6.75	
	2 nd Cross from 3rd Main	LHS	1	30.00	0.90		27.00	
			1	7.50	0.90		6.75	
		RHS	1	30.00	0.90		27.00	
			1	7.50	0.90		6.75	
	3rd Main	LHS	1	27.00	0.90		24.30	
			1	30.00	0.90		27.00	
			1	28.00	0.90		25.20	
			1	28.00	0.90		25.20	
			1	17.50	0.90		15.75	
					Present Quantity		666.90	Sqm

Assistant Engineer
Ward NO-14
BBMP Bangalore
03/01/22
06/01/22
12/01/22

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

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ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

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Name of work :- Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	Providing ruled pointing to stone slabs pavements with cement mortar 1;3 20mm deep after racking the joints including cost of materials labour curing complete as per specification						
	Manjunatha nagara						
	1 st Cross from 5th Main LHS	1	27.00	0.90		24.30	
		1	28.00	0.90		25.20	
		1	22.50	0.90		20.25	
	RHS	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	22.50	0.90		20.25	
	2 nd Cross from 5th Main LHS	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	22.50	0.90		20.25	
	RHS	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	22.50	0.90		20.25	
	5th Main LHS	1	25.00	0.90		22.50	
		1	26.00	0.90		23.40	
		1	25.00	0.90		22.50	
		1	26.00	0.90		23.40	
		1	26.50	0.90		23.85	
		1	7.00	0.90		6.30	
	1 st Cross from 3rd Main LHS	1	30.00	0.90		27.00	
		1	7.50	0.90		6.75	
	RHS	1	30.00	0.90		27.00	
		1	7.50	0.90		6.75	
	2 nd Cross from 3rd Main LHS	1	30.00	0.90		27.00	
		1	7.50	0.90		6.75	
	RHS	1	30.00	0.90		27.00	
		1	7.50	0.90		6.75	
	3rd Main LHS	1	27.00	0.90		24.30	
		1	30.00	0.90		27.00	
		1	28.00	0.90		25.20	
		1	28.00	0.90		25.20	
		1	17.50	0.90		15.75	
					Total	666.90	Sqm

Assistant Engineer
Ward NO-14
BBMP Bangalore

14/02/22

Asst. Executive Engineer
Dasara hall Sub division
BBMP Bangalore

14/02/22

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Name of work :- Improvements to Roads and drains and other maintanance behind KSCMF Building and sorrounding Area in ward No 14 Bagalagunte							
	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
12	Cost of haulage excluding loading and unloading MORTH -100/ Chapter 1 Surface road ITEM No 17.4 KSRRB M 100-1 Loading and un loading of stone boulders /stone aggregates /sand/kankar/murram, KSRRB M 100-1 Placing Tipper at loading point loading with front end loader dumping turning for return trip excluding time for haulage and return Trip complete as per specification						
	Manjunatha nagara						
	Quantity vide no; 1					1028.55	**Cum**

14/02/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer
Dasara halli Sub division
BBMP Bangalore

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ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

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